



APR 02 2004

In Re U.S. Patent Application of:

Applicant(s): Chapman et al.

Serial No.: 10.696,772

Conf. No.: 7885

Filed: Oct. 29, 2003

For: **MULTIPLE INPUT DC-DC**

## POWER CONVERTER

Art Unit: 2838

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)  
) *I hereby certify that this paper is being deposited with the*  
) *United States Postal Service as FIRST-CLASS mail in an*  
) *envelope addressed to: Commissioner for Patents, P.O. Box*  
) *1450, Alexandria, VA 22313-1450, on this date.*  
)

3/29/04

Date \_\_\_\_\_

Attorney for Applicant(s)

Registration No.

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This IDS is submitted under 37 C.F.R. § 1.97(b) within either of the following time periods, whichever occurs last:

- (a) within three months of either the filing date of the national application or the date of entry into the national stage; or
- (b) before the mailing date of first office action on the merits (i.e., not including actions such as restriction requirements).

Applicant(s) submit herewith Form PTO-1449 (Information Disclosure Citation) together with copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 C.F.R. § 1.56. Applicant(s) respectfully submit that the citation of any reference on Form PTO-1449 does not constitute an admission that the reference qualifies as prior art.

It is requested that the information disclosed on the enclosed Form PTO-1449 be made of record in this application.

The Commissioner is hereby authorized to charge any additional fees which may be required to this application under 37 C.F.R. §§ 1.16-1.17, or to credit any overpayment, to Deposit Account No. 07-2069. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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By:

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Registration No. 35,132

FORM PTO-1449

ATTY. DOCKET NO.

1201.68289

APPLICATION NO.

10/696,772

CONFIRMATION NO.

7885

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

(Use several sheets if necessary)

APPLICANT

Chapman et al.

FILING DATE

10/29/2003

GROUP

2838

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A				
	1B				
	1C				
	1D				
	1E				
	1F				
	1G				
	1H				
	1I				
	1J				
	1K				

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L					
	1M					
	1N					
	1O					
	1P					

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

1Q	H. Matsuo, K. Kobayashi, Y. Sekine, M. Asano, L. Wenzhog, "Novel Solar Cell Power Supply System Using the Multiple-Input DC-DC Converter," 20th International Telecommunications Energy Conference, INTELEC, 1998, pp. 797-802
1R	H. Matsuo, T. Shigemizu, F. Kurokawa, N. Watanabe, "Characteristics of the Multiple-Input DC-DC Converter," 24th Annual IEEE Power Electronics Specialists Conference, 1993, pp. 115-120
1S	A. DiNapoli, F. Crescimbeni, L. Solero, F. Caricchi, F.G. Capponi, "Multiple-Input DC-DC Power Converter for Power-Flow Management in Hybrid Vehicles," Conference Record of the 37th Annual IEEE Industry Applications Conference, 2002, pp. 1578-1585

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	2L					
	2M					
	2N					
	2O					
	2P					

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

2Q	F. Caricchi, F. Crescimbeni, O. Honorati, A.D. Napoli, E. Santini, "Testing of a New DC/DC Converter Topology for Integrated Wind-Photovoltaic Generating Systems," Fifth European Conference on Power Electronics and Applications, Vol. 8, 13-16, 1993, 13-16, pp. 83-88
2R	B.G. Dobbs, P.L. Chapman, "A Multiple-Input DC-DC Converter," submitted for review to IEEE Power Electronics Letters, Oct. 31, 2002
2S	

EXAMINER

DATE CONSIDERED